Purpose:
Provide an overview of U.S. Army, PEO STRI, PM ITTS TMO activities.

Briefed by: Mr. Stephen G. Milburn
TMO Director
256-876-4077 DSN: 746-4077
e-mail: stephen.milburn@us.army.mil
It should be explicitly noted that the U.S. Government makes no official commitment nor obligation to provide any additional detailed information or an agreement of sale on any of the systems/capabilities portrayed during this presentation that have not been authorized for release.
OUTLINE

- Mission/Activities
- Targets Reliance Concept
- Customer Base
- Organization
- Live Targets Programs
  - Aerial Projects
  - Ground Projects
  - Range Systems Projects
- Virtual Targets Program
- Future Efforts
- Summary
TMO MISSION

Manage the Life Cycle Acquisition of:

Technically Optimized, Interoperable and Adaptable Targets, Target Control Systems and Ground Range Systems used in:

Live and Virtual Testing, Training, and Mission Rehearsal Environments, providing:

Best Value Procurement, Superior Life Cycle Sustainment and Operation when required, for The U.S. Army Transformation, Future Forces, Joint Services, Allied Clients and Governmental Agencies

A Mission Directly Linked to the PEO and PM Missions
Based on customer target requirements

- Aerial – Fixed and Rotary Wing
- Mobile Ground / Foreign Materiel
- Virtual – Models and Simulations
- Ground Range Targetry Systems
- Auxiliary / Ancillary Equipment
Meet all service needs within prevailing financial constraints
### CUSTOMERS

#### TEST COMMUNITY

**Weapon System Developers**
- PEOs/PMs
- AMCOM
- TACOM
- USMC
- USAF
- MDA

**Test Agencies/Ranges**
- ATEC
- WSMR
- MCOTEA
- AFOTEC
- YTC
- Eglin AFB
- Pt. Mugu
- China Lake
- Edwards AFB
- Redstone
- ATC

**Labs and RDECs**
- Armament RDEC
- Army Research Lab
- Aviation & Missile RDEC

#### TRAINING COMMUNITY

**Major Commands**
- FORSCOM
- EUSA
- TRADOC

**Army National Guard**

**Army Schools/Combat Training Centers**
- Armor
- Field Artillery
- Aviation
- Infantry
- NTC
- JRTC
- CTC
- Air Defense Artillery

**Government Ranges**
- Ft. Bliss
- Ft. Polk
- Ft. Drum
- Ft. Irwin
- Ft. Hood
- Ft. Campbell
- Ft. Lewis/Yakima

#### FMS Customers

- Denmark
- Egypt
- Germany
- Israel
- Italy
- Japan
- Jordan
- Korea
- Kuwait
- Morocco
- Netherlands
- Norway
- Portugal
- Saudi Arabia
- Switzerland
- Taiwan
- Tunisia
- Turkey

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(Additional information may be present in the image that is not transcribed here.)
COL David E. Lockhart
6 April 2006
Project Manager
Instrumentation, Targets and Threat Simulators
Serving Requirements in All 3 Domains!

- Aerial
- Ground
- Virtual
AERIAL TARGETS

Rotary Wing Reliance Lead

Use: Training T&E

MQM-107 QUH-1 QAH-1 QH-50
RPVT QF-4 TBMTT BQM-34 Virtual Target
UAV-T BATS TOWED TARGETS CONTROL SYSTEMS SCORING SYSTEMS
Primary supplier of towed targets

- Inexpensive
- Reliable
- Realistic target
- For both destructive and non-destructive testing

A broad range of Radar Cross Section (RCS), Infrared (IR), and visual type tow targets are currently available
MOBILE GROUND TARGETS

Reliance Lead

Surrogate Targets

- BMP3-S
- LCM
- TVST
- SMERCH

Foreign Fleet

- BMP-1
- T-72
- T-80UD
- BTR-60
Deployable Ranges

Designed to bring range capabilities to the soldiers.

Precision Scoring

Technology that provides efficient marksmanship training.
The Virtual Targets Center is a collaborative effort of AMC’s RDEC System Simulation Development Division and the PEO STRI’s PM ITTS.

**Target Generation Laboratory**
Makes it happen

**Virtual Targets Center**
On Web

http://modelexchange.army.mil
What we do

Buy products

Develop products

AND we

Fly ‘em

Drive ‘em

Fix ‘em
FUTURE EFFORTS

- Low Cost Mover
- Sub-Scale Fixed Wing High Capability Target
- Low Cost, Medium Speed Sub-Scale Aerial Target Capability
- Range Technology Applications
  - Bullet Sensing
  - IR Targets
  - 2 ½ & 3 Dimensional Plastic Replications
- Support to FCS Testing and Training
FOR EXAMPLE

INFRARED TARGETS

• **Purpose:**
  – Replace current technology plywood silhouettes with more realistic IR Target presentations at similar or reduced costs

• **Overview:**
  – Solutions/Products are available to everyone
    • TACOM-RI
    • TRADE
    • Marines
    • Navy
    • USAF

From

To
**SUMMARY**

**TMO:**

- FOCUSED ON THE WARFIGHTER, BEFORE, DURING AND AFTER THE FIGHT
- JOINT DEVELOPMENT & COORDINATION CROSSES ALL OF OUR PRODUCT LINES
- RECOGNIZES THAT “EVERYTHING” IS SOMEONE’S TARGET
- RECOGNIZE DEFENSE RESOURCES ARE TIGHT FOR TARGETS
- READY TO RESPONSIVELY AND RESPONSIBLY SUPPORT T&E AND SPECIAL TRAINING REQUIREMENTS (both domestic and allied)

“WE HELP YOU MAKE YOUR BEST SHOT!”
BACK-UPS
<table>
<thead>
<tr>
<th>Acronym</th>
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<tbody>
<tr>
<td>AFB</td>
<td>Air Force Base</td>
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<td>AFOTEC</td>
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